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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/881,211	06/14/2001	Gavin Brebner	B-4213 618881-4	5120

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Hewlett-Packard Company  
P.O. Box 272400 3404 E. Harmony Road  
Intellectual Property Administration  
Fort Collins, CO 80527-2400

EXAMINER
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ENGLAND, DAVID E

ART UNIT	PAPER NUMBER
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2143

DATE MAILED: 12/16/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 09/881,211	<b>Applicant(s)</b> BREBNER ET AL.	
	<b>Examiner</b> David E. England	<b>Art Unit</b> 2143	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 13 September 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-19 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

### **DETAILED ACTION**

1. Claims 1 – 19 are presented for examination.

#### ***Claim Rejections - 35 USC § 112***

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

3. Claims 9 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

4. Claim 9 recites the limitation "the related reliability indicator". There is insufficient antecedent basis for this limitation in the claim.

#### ***Claim Rejections - 35 USC § 103***

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

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6. Claims 1 – 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shaffer et al. (6748426) (hereinafter Shaffer) in view of Wolff (6738841).

7. As per claim 3, as closely interpreted by the Examiner, Shaffer teaches a hard-copy output device including:

8. a memory, (e.g. col. 5, line 31 – col. 6, line 2, “*database*”),

9. a network interface, (e.g. col. 5, line 31 – col. 6, line 2),

10. a location server for receiving location data and storing it in the memory and for responding to client requests received via the network interface to return location information comprising, or derived from, the location data stored in memory, (e.g., col. 5, line 31 – col. 6, line 29).

11. but does not specifically teach a wireless interface for receiving data.

12. Wolff teaches a wireless interface for receiving data, (e.g. col. 8, lines 48 – 68). It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine Wolff with Shaffer because utilizing a wireless link to a printer gives a user the mobility to transmit and/or print data in any area that the printer and/or printer server can accommodate.

13. As per claim 4, as closely interpreted by the Examiner, Shaffer teaches the location server is operative to cause the form of the received location data to be converted from a first form to a second form prior to storage in said memory, one of the first and second forms being a semantic

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location form and the other a form based on geographic coordinates, (e.g. col. 5, line 31 – col. 6, line 37, “*Linkage Key*”).

14. As per claim 5, as closely interpreted by the Examiner, Shaffer teaches the location server effects said conversion by using a conversion service which it contacts over the network, (e.g. col. 5, line 31 – col. 6, line 37, “*Linkage Key*”).

15. As per claim 6, as closely interpreted by the Examiner, Shaffer teaches the location server is operative to cause the form of the stored location information to be converted from a first form to a second form for output in response to a said client request, one of the first and second forms being a semantic location form and the other a form based on geographic coordinates, (e.g., col. 18, lines 19 – 56 & col. 21, lines 23 – 67).

16. As per claim 7, as closely interpreted by the Examiner, Shaffer teaches the location server effects said conversion by using a conversion service which it contacts over the network, (e.g., col. 18, lines 19 – 56 & col. 21, lines 23 – 67).

17. As per claim 8, as closely interpreted by the Examiner, Shaffer teaches the received location data includes a reliability indicator which the location server uses to determine whether or not to overwrite existing location data, if any, held in said memory, (e.g. col. 5, line 31 – col. 6, line 37).

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18. As per claim 9, as closely interpreted by the Examiner, Shaffer teaches the related reliability indicator is stored where the location server decides to store the newly received location data, the location server when determining whether to store newly received location data, taking account of the relative reliabilities of the stored and newly received information as indicated by their related reliability indicators, (e.g. col. 5, line 31 – col. 6, line 37).

19. As per claim 10, as closely interpreted by the Examiner, Shaffer teaches said reliability indicator indicates whether the location data has been received directly from an entity with a primary source of location data or from an entity which itself received the data from another entity, the location server preferentially storing or retaining location data received directly from an entity with a primary source of location data, (e.g. col. 5, line 31 – col. 6, line 37).

20. Claims 1, 2, 11 – 19 are rejected for similar reasons as stated above.

### ***Response to Arguments***

21. Applicant's arguments with respect to claims 1 – 19 have been considered but are moot in view of the new ground(s) of rejection.

### ***Conclusion***

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22. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a).

Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to David E. England whose telephone number is 571-272-3912. The examiner can normally be reached on Mon-Thur, 7:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David A. Wiley can be reached on 571-272-3923. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

David E. England  
Examiner  
Art Unit 2143

De



DAVID WILEY  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100